

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	805	174/256.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/22 09:27
L2	2	"20040084756".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/22 09:28
S1	1	10/723349	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/07 08:09
S2	0	(insulated near layer near deposited near metallic near substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/07 13:07
S3	74508	"174".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/07 13:07
S4	1	S3 and (insulated near layer near deposited)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/07 13:08
S5	3	S3 and (insulated near deposited)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/07 13:09
S6	777	174/256.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 13:49
S7	2	"6014317".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/07 13:18
S8	90	S6 and (metal\$3 near substrat\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/07 13:49
S9	2443	174/259,260.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/07 13:48

## EAST Search History

S10	157	S9 and (metal\$3 near substrat\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/07 14:11
S11	2	"6734535".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 08:17
S12	2	"6248951".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 08:18
S13	4	"615390".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 08:18
S14	2	"5737191".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 09:35
S15	45	("4254432"   "4323914"   "5107325").PN. OR ("5737191"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 08:56
S16	2	"6368895".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 09:30
S17	5	("4143456"   "5641996"   "5737191"   "5946554").PN. OR ("6368895").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 09:31
S18	2	"5248853".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 09:33
S19	15	("4755417"   "4812792"   "4926242").PN. OR ("5248853"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 09:33
S20	2	"5362926".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 10:06
S21	9	("3328275"   "4521476"   "4987677"   "5049221").PN. OR ("5362926").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 10:08
S22	9	("3328275"   "4521476"   "4987677"   "5049221").PN. OR ("5362926").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 10:11

## EAST Search History

S23	1	"61014317".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 10:35
S24	2	"6014317".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 10:35
S25	2	"5900675".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 10:39
S26	2	"5958556".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 10:36
S27	2	"6560122".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 10:42
S28	2	"5539153".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 10:42
S29	1	"2005139389".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 10:43
S30	2	"5362926".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 11:58
S31	9	("3328275"   "4521476"   "4987677"   "5049221").PN. OR ("5362926").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 12:29
S32	1	10/717839	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 13:24
S33	2	"5900675".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 13:48
S34	2	"5958556".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 13:48

## EAST Search History

S35	777	174/256.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 13:50
S36	3	S35 and (silica adj bas\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 13:53
S37	2444	174/259,260.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 14:08
S38	6	S37 and (silica adj bas\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 16:37
S39	7	("5290197"   "6204454"   "6370013").PN. OR ("6512182"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 14:07
S40	1044	S37 and resin\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 14:09
S41	67	S40 and CTE	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 14:09
S42	0	"174clas."	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 14:27
S43	74524	"174".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 16:59
S44	45	S43 and (silicon near gel\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 14:55
S45	55	"361".clas. and (silicon near gel\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 14:55
S46	0	("2003/0161111").URPN.	USPAT	OR	OFF	2005/09/12 15:55
S47	2	"20030201530".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 16:37

## EAST Search History

S48	0	("2003/0201530").URPN.	USPAT	OR	OFF	2005/09/12 16:38
S49	2	"6201696".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 16:46
S50	19	("4814943"   "5081562"   "5386342"   "5398160"   "5940271").PN. OR ("6201696"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 16:58
S51	8847	L12and CTE	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 16:59
S52	465	S43 and CTE	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 16:59
S53	51	S52 and gel\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 18:54
S54	2	"6779260".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 09:56
S55	12	("3509430"   "3706840"   "4633573"   "4701999"   "4763407"   "5376824"   "5406699"   "5525834"   "6180045"   "6285551"   "6307749").PN. OR ("6779260"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/13 10:10
S56	3248587	Brandenburg et "al."	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 10:10
S57	2257	Brandenburg	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 10:11
S58	2	"6285551".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 10:28
S59	2	"6779260".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 10:28

## EAST Search History

S60	12	("3509430"   "3706840"   "4633573"   "4701999"   "4763407"   "5376824"   "5406699"   "5525834"   "6180045"   "6285551"   "6307749").PN. OR ("6779260").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/13 10:38
S61	2	"09081498".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 10:39
S62	3	09/081498	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 10:48
S63	2133445	"4666" matching the Thermal Coefficient	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 14:05
S64	628	"4666" and (matching the Thermal Coefficient)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 14:06
S65	3271000	p "4666" and (matching the Thermal Coefficient)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 14:06
S66	6478	p "4666" and (matching the Thermal Coefficient)	IBM_TDB	OR	OFF	2005/09/13 14:06
S67	1	"4666" and (matching the Thermal Coefficient)	IBM_TDB	OR	OFF	2005/09/13 14:12
S68	2	"6307749".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/15 09:32
S69	805	174/256.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/15 14:56
S70	141367	(PB or PCB or PWB or ((printed or circuit or wiring) with (board\$1 or substrate\$1))) and ("174".ccls. or "361".ccls. or "257".ccls. or "438".ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 11:59

## EAST Search History

S71	141367	(PB or PCB or PWB or ((printed or circuit or wiring) with (board\$1 or substrate\$1))) and ("174".\$ccls. or "361".\$ccls. or "257".\$ccls. or "438".\$ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 12:00
S72	141367	S70 and (FR-4 or CTE = 25-30 ppm/OC)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 12:01
S73	141367	S71 and (FR-4 or (CTE = 25-30 ppm/OC))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 12:01
S74	2004	S71 and (FR-4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 12:03
S75	404	S74 and (CTE)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 12:19
S76	0	S71 and (metal\$ near substrate42)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 12:21
S77	8175	S71 and (metal\$4 near substrate\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 12:22
S78	248	S77 and ( CTE )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 12:23
S79	78	S78 and mold\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 16:26
S80	0	"6075710.pn"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/21 16:56
S81	2	"6075710".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/21 16:58
S82	0	2003/0161111.pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 16:59

## EAST Search History

S83	2	"20030161111".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 17:16
S84	805	174/256.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 17:17
S85	0	S84 and resin42	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 17:18
S86	427	S84 and resin\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 17:19
S87	279	S86 and (CTE or (coefficient of thermal expansion))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 17:37
S88	57783	(metal\$ and substrate\$2 and resin and mold\$5 and coefficient and linear and thermal and expansion\$2and insulat\$4).clm.	US-PGPUB	OR	ON	2006/02/21 17:40
S89	5	(metal\$ and substrate\$2 and resin and mold\$5 and coefficient and linear and thermal and expansion\$2 and insulat\$4).clm.	US-PGPUB	OR	ON	2006/02/22 09:53